

**RECEIVED
CENTRAL FAX CENTER**

Application No. 10/802,834
Attorney Docket No. 03-074692 (YAN.042)

JAN 04 2008

AMENDMENTS TO THE CLAIMS:

1. (Withdrawn) A mobile communication system wherein
a mobile station repeatedly transmits a predetermined preamble to a base station prior to transmitting a message to the base station until the mobile station receives an indication signal indicating that transmitting of the message is permitted or refused, and
the base station, when detecting the preamble from the mobile station, transmits the indication signal to the mobile station;
the mobile communication system comprising determination means for determining whether receiving of the indication signal by the mobile station is enabled or disabled based on detection information on the preamble detected by the base station.
2. (Withdrawn) The mobile communication system according to claim 1, wherein
the message is an RACH (random access channel) message;
the preamble is an RACH preamble, and
the indication signal is an AICH (acquisition indicator channel).
3. (Withdrawn) The mobile communication system according to claim 1, wherein the detection information on the preamble detected by the base station includes at least one of the detection position and the reception power for the preamble.
4. (Withdrawn) The mobile communication system according to claim 1, wherein the

Application No. 10/802,834
Attorney Docket No. 03-074692 (YAN.042)

determination means determines whether receiving of the indication signal by the mobile station is enabled or disabled by comparing the detection information on the preamble detected by the base station with detection information on a preamble detected previously.

5. (Withdrawn) The mobile communication system according to claim 1, wherein the determination means outputs an abnormality signal if determining that receiving of the indication signal by the mobile station is disabled, the mobile communication system further comprising control means for causing transmit power for the indication signal to be increased in response to receiving the abnormality signal.

6. (Withdrawn) The mobile communication system according to claim 5, wherein the control means outputs an alarm signal if receiving the abnormality signal again from the determination means after causing the transmit power for the indication signal to be increased.

7. (Withdrawn) The mobile communication system according to claim 6, wherein the control means causes the transmit power for the indication signal to be increased without outputting the alarm signal if receiving the abnormality signal again from the determination means after the elapse of a predetermined time after causing the transmit power for the indication signal to be increased.

Application No. 10/802,834
Attorney Docket No. 03-074692 (YAN.042)

8. (Withdrawn) The mobile communication system according to claim 5, wherein the determination means outputs the abnormality signal if the number of mobile stations for which receiving of the indication signal is determined to be disabled is equal to or above a predetermined threshold, or if the total of this number and the number of mobile stations for which receiving of the indication signal has been determined to be disabled previously is equal to or above the predetermined threshold.

9. (Withdrawn) An operation control method for a mobile communication system wherein

a mobile station repeatedly transmits a predetermined preamble to a base station prior to transmitting a message to the base station until the mobile station receives an indication signal indicating that transmitting of the message is permitted or refused, and

the base station, when detecting the preamble from the mobile station, transmits the indication signal to the mobile station;

the operation control method comprising a determination step of determining whether receiving of the indication signal by the mobile station is enabled or disabled based on detection information on the preamble detected by the base station.

10. (Withdrawn) The operation control method according to claim 9, wherein
the message is an RACH (random access channel) message;
the preamble is an RACH preamble, and
the indication signal is an AICH (acquisition indicator channel).

Application No. 10/802,834
Attorney Docket No. 03-074692 (YAN.042)

11. (Withdrawn) The operation control method according to claim 9, wherein the detection information on the preamble detected by the base station includes at least one of the detection position and the reception power for the preamble

BEST AVAILABLE COPY